



EXPRESS MAIL NO. EV 329631647 US

PATENT APPLICATION
Docket No: 15689.61

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Yukihiko OKUMURA et al.

Serial No.: 09/701,705

Filing Date: December 1, 2000

For: CHANNEL ESTIMATION DEVICE AND
METHOD, DEMODULATION DEVICE AND
METHOD, AND FADING FREQUENCY
DECISION DEVICE AND METHOD

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) Art Unit
) 2661
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INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

JUL 11 2003
Technology Center 2600

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which

the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or relevant portion thereof is also enclosed.

In accordance with 37 C.F.R. § 1.98(c), all English translations within the possession, custody, control or availability of anyone designated in 37 C.F.R. § 1.56(c) of each non-English reference, if any, are also enclosed.

In accordance with 37 C.F.R. § 1.98(a)(3), the following concise explanation of the relevance of each listed reference that is not in the English language and unaccompanied by a translation into English is provided. The concise explanation for each of the references is provided in the English abstract for that reference.

DATED July 7, 2003.

Respectfully submitted,



ADRIAN J. LEE
Attorney for Applicant
Registration No. 42,785

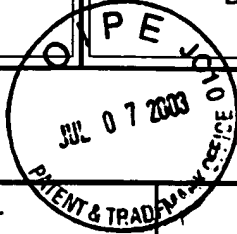


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PATENT TRADEMARK OFFICE

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
15689.61



In Re Application: Yukihiro Okumura et al.

Serial No. 09/701,705	Filing Date December 1, 2000	Examiner Not Yet Assigned	Group Art Unit 2661
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**CHANNEL ESTIMATION DEVICE AND METHOD, DEMODULATION DEVICE AND METHOD,
FADING FREQUENCY DECISION DEVICE AND METHOD**

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- A check in the amount of _____ is attached.
- The Director is hereby authorized to charge and credit Deposit Account No. 23-3178 as described below.
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Dated: July 7, 2003

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ADRIAN J. LEE
Attorney for Applicant
Reg. No.: 42,785



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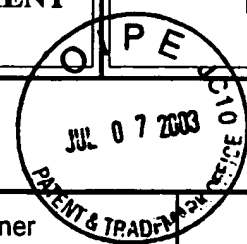
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**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.
15689.61

In Re Application Of: **Yukihiko Okumura et al.**



Serial No.
09/701,705

Filing Date
December 1, 2000

Examiner
Not Yet Assigned

Group Art Unit
2661

**Title: CHANNEL ESTIMATION DEVICE AND METHOD, DEMODULATION DEVICE AND METHOD, AND
FADING FREQUENCY DECISION DEVICE AND METHOD**

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Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- the statement specified in 37 CFR 1.97(e);
- OR**
- the fee set forth in 37 CFR 1.17(p).

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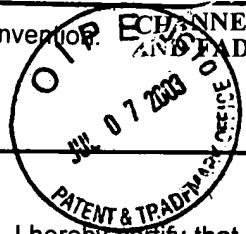
2661

CERTIFICATE MAILING BY "EXPRESS MAIL" (37 CFR 1.10)
Applicant(s): Yukinako Okumura et al.

Docket No. **RS**
15689.61 **# 14**

Serial No. 09/701,705	Filing Date December 1, 2000	Examiner Not Yet Assigned	Group Art Unit 2661
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Inventor: **ECH CHANNEL ESTIMATION DEVICE AND METHOD, DEMODULATION DEVICE AND METHOD, AND FREQUENCY DECISION DEVICE AND METHOD**



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I hereby certify that the following correspondence:

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July 7, 2003
(Date)



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PATENT TRADEMARK OFFICE

ADRIAN J. LEE

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

EV 329631647 US

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Note: Each paper must have its own certificate of mailing.

- Transmittal for Information Disclosure Statement (2 pages; duplicate);
- Information Disclosure Statement Under 37 C.F.R. § 1.97 (2 pages);
- Form PTO-1449 Listing of References (1 page);
- Legible Copy of References; (5 references)
- Certificate of Express Mail (EV329631647US);
- Acknowledgment Postcard

